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Application Number	10/580,458
Filing Date	10/26/2005
First Named Inventor	William VAINCHENKER
Art Unit	1652
Examiner Name	Sheridan Swope
Attorney Docket Number	065691-0445

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
C1	2003/0012788 A1	01/16/2003	Renauld et al.		
C2	2004/0106132 A1	06/03/2004	Huang et al.		
C3	2004/0205835 A1	10/14/2004	Ihle et al.		
C4	2005/0250127 A1	11/10/2005	Fisher et al.		
C5	2006/0019284 A1	01/26/2006	Huang et al.		
C6	2006/0029944 A1	02/09/2006	Huang et al.		
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C9	5,747,282 A	05/05/1998	Skolnick et al.		
C10	5,753,441 A	05/19/1998	Skolnick et al.		
C11	6,265,160 B1	07/24/2001	Leonard, Warren J.		
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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
C13	EP 1 186 672 B1		11/30/2005	AstraZeneca AB		
C14	WO 95/11995 A1		05/04/1995	Affymax Technologies N.V.		

NON PATENT LITERATURE DOCUMENTS

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	C15	"Top Scientists to Receive Prestigious Awards from the American Society of Hematology, December 12, 2007, 2 pgs.			
	C16	ANDERSSON et al., "No evidence for an altered rRNA expression or protein level of haematopoietic cell phosphatase in CD34 ⁺ bone marrow progenitor cells or mature peripheral blood cells in polycythaemia vera," Eur. J. Haematol., 1997, 59:310-317.			

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Date Submitted: July 7, 2008 <i>(use as many sheets as necessary)</i>			Filing Date	10/26/2005	
Sheet	2	of	Examiner Name	William VAINCHENKER 1652	
			Attorney Docket Number	Sheridan Swope 065691-0445	

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C17	ARORA et al., "Advances in molecular diagnostics of myeloproliferative disorders," Expert Opin. Med. Diagn., 2007, 1(1):65-80.		
C18	ASIMAKOPoulos et al., "The gene encoding hematopoietic cell phosphatase (<i>SHP-1</i>) is structurally and transcriptionally intact in polycythemia vera," Oncogene, 1997, 14:1215-1222.		
C19	BAROSI et al., "Incidence and Clinical Profile of JAK2 V617F Mutation in Myelofibrosis with Myeloid Metaplasia," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):78a, Abstract 256.		
C20	BAXTER et al., "The V617F JAK2 Mutation Is Uncommon in Cancers and Mutations in STAT5A, STAT5B and the JAK Family Genes Do Not Account for V617F Negative Myeloproliferative Disorders," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):731a, Abstract 2598.		
C21	BERKOFSKY-FESSLER et al., "The Transcriptional Profile of PV Displays Limited Similarity to EPO Stimulated Progenitor Cells: Evidence That JAK2 V617F Confers a Novel Program to Malignant Hematopoietic Stem Cells," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):39a, Abstract 120.		
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C27	EBERT et al., "Characterization of Distinct Molecular Signatures in Myeloproliferative Diseases with the JAK2V617F Mutation and Wild Type JAK2," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):39a, Abstract 119.		

Examiner Signature	/Sheridan Swope/	Date Considered	09/25/2008
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C28	FALANGA et al., "Distinct Hemostatic Profile of Leukocytes in Essential Thrombocythemia (ET) Carrying the JAK2 V617F Mutation," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):114a, Abstract 378.		
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C30	FIORINI et al. "Clonality Assay (X-CIP) and Jak2 V617P Mutation: Clustering Patients with Essential Thrombocythemia at High Risk for Thrombosis" Blood (ASH 47-Annual Meeting Abstract) 106: Abstract # 2597 November 2005.		
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C39	JONES et al., "No Significant Molecular Response in Polycythemia Vera Patients Treated with Imatinib or Interferon alpha," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):113a, Abstract 373.		
C40	KAUSHANSKY, Kenneth, "On the molecular origins of the chronic myeloproliferative disorders: it all makes sense," Blood, June 1, 2005, 105(11):4187-4190.		
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C47	LINDAUER et al., "Prediction of the structure of human Janus kinase 2 (JAK2) comprising the two carboxy-terminal domains reveals a mechanism for autoregulation," Protein Engineering, 2001, 14(1):27-37.		
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C50	MARCOTEGUI et al., "A Gain of Function Mutation in JAK2 Is Frequently Found in Patients with AML-M2 and Normal Karyotype," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):665a-666a, Abstract 2366.		
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C55	MOLITERNO et al., "Impaired expression of the thrombopoietin receptor by platelets from patients with polycythemia vera," The New England Journal of Medicine, February 26, 1998, 338:572-580.		
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C61	PATEL et al., "Prevalence of the Activating JAK2 Tyrosine Kinase Mutation V617F in the Budd-Chiari Syndrome," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):728a, Abstract 2588.		
C62	PEARSON, Thomas C., "Evaluation of Diagnostic Criteria in Polycythemia Vera," Seminars in Hematology, January 1, 2001, 38(1), Supp. 2:21-24.		
C63	PERCY et al., "Mutations in the VHL Gene Are the Major Identified Cause of Inherited Erythrocytosis," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):169a, Abstract 569.		
C64	PIETRA et al., "Relationship between JAK2 V617F Mutation Status, Granulocyte CD177 mRNA Expression and CD177 Soluble Protein Level in Patients with Polycythemia Vera," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):725a, Abstract 2578.		
C65	POPAT et al., "High Circulating CD34 Cells, Dacrocytes, Clonal Hematopoiesis, and JAK 2 Mutation Differentiate Secondary Myelofibrosis Associated with Pulmonary Hypertension from Myelofibrosis with Myeloid Metaplasia," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):728a, Abstract 2589.		
C66	POTTI et al., "Gene Expression Patterns Identify Novel Biologically Relevant Signaling and Transcriptional Pathways Involved in Terminal Erythroid Differentiation and Polycythemia Vera," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):984a, Abstract 3524.		
C67	PRCHAL et al., "In Vitro Expansion of Polycythemia Vera Progenitors Favors Expansion of Erythroid Precursors without JAK2 V617F Mutation," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):979a, Abstract 3506.		
C68	QUENTMEIER et al., "JAK2 V617F Tyrosine Kinase Mutation in Leukemia Cell Lines," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):205b, Abstract 4505.		
C69	ROEDER et al., "STAT3 is constitutively active in some patients with <i>Polycythemia rubra vera</i> ," Experimental Hematology, 2001, 29:694-702.		
C70	SATTLER et al., "The Jak2V617F Oncogene Associated with Polycythemia Vera Regulates G1/S-Phase Transition," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):980a, Abstract 3510.		
C71	SCHNITTGER et al., "JAK2 Mutation Screening and Chromosome Analysis Are Necessary for a Comprehensive Diagnostic Work up in CMPD: A Study on 469 Cases," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):321b, Abstract 4963.		

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known
Date Submitted: July 7, 2008 <i>(use as many sheets as necessary)</i>				Application Number 10/580,458
				Filing Date 10/26/2005
				First Named Inventor William VAINCHENKER
				Art Unit 1652
				Examiner Name Sheridan Swope
Sheet 7 of 8				Attorney Docket Number 065691-0445

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
C72	SILVA et al., "Express of Bcl-x in erythroid precursors from patients with polycythemia vera," The New England Journal of Medicine, February 26, 1998, 338:564-571.		
C73	SILVER et al., "Validation of JAK2 and New Clinical Criteria for the Diagnosis of Polycythemia Vera (PV)," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):323b, Abstract 4971.		
C74	SPIVAK et al., "Chronic Myeloproliferative Disorders," Hematology, 2003, 200-224.		
C75	STEENSMA, David P., "JAK2 V617F in Myeloid Disorders: Molecular Diagnostic Techniques and Their Clinical Utility," Journal of Molecular Diagnostics, September 2006, 8(4):397-411.		
C76	SZPURKA et al., "Presence of JAK2 Mutations in MDS/MPD-u WHO Classified Patients and Not Other Forms of MDS Suggests Their Derivation from Classical Myeloproliferative Syndrome," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):112a, Abstract 369.		
C77	TEFFERI et al., "Classification and diagnosis of myeloproliferative neoplasms: The 2008 World Health Organization criteria and point-of-care diagnostic algorithms," Leukemia, 2008, 22:14-22.		
C78	TEFFERI et al., "Concomitant Neutrophil JAK2V617F Mutation Screening and PRV-1 Expression Analysis in Myeloproliferative Disorders and Secondary Polycythemia" British J. Hematology 131: 166-171 2005.		
C79	TEFFERI et al., "The Clinical and PRV-1 Expression Phenotype of Wild-Type, Heterozygous, and Homozygous JAK2 V617F in Polycythemia Vera," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):78a, Abstract 255.		
C80	Tefferi et al., "The JAK2(V617F) tyrosine kinase mutation in myelofibrosis with myeloid metaplasia: lineage specificity and clinical correlates," Br. J. Haematol., Nov. 2005, 131(3):320-8, Abstract two pages.		
C81	TEFFERI et al., "Lenalidomide (CC-5013) Treatment for Anemia Associated with Myelofibrosis with Myeloid Metaplasia," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):726a, Abstract 2583.		
C82	TEFFERI et al., "The JAK2 V617F Tyrosine Kinase Mutation in Myelofibrosis with Myeloid Metaplasia: Clinical Correlates and Prognostic Relevance in 157 Patients," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):978a, Abstract 3502.		
C83	TEMERINAC et al., "Cloning of PRV-1, a novel member of the uPAR receptor superfamily, which is overexpressed in polycythemia rubra vera," Blood, April 15, 2000, 95(8):2569-2576.		

Examiner Signature	/Sheridan Swope/	Date Considered	09/25/2008
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: July 7, 2008

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Sheet

8

of

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Complete if Known

Application Number	10/580,458
Filing Date	10/26/2005
First Named Inventor	William VAINCHENKER
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Examiner Name	Sheridan Swope
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C84	THURMES et al., "Molecularly Confirmed Polycythemia Vera with Elevated Endogenous Serum Erythropoietin Level: Diagnostic Algorithms Revisited," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):321b-322b, Abstract 4964.		
C85	VAINCHENKER et al., "A Unique Activating Mutation in JAK2 (V617F) Is at the Origin of Polycythemia Vera and Allows a New Classification of Myeloproliferative Diseases," Hematology, Am Soc Hematol Educ Program, 2005,195-200.		
C86	WOLANSKY et al., "JAK2 V617F Mutation in Essential Thrombocythemia: Clinical Associations and Long-Term Prognostic Relevance," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):77a-78a, Abstract 254.		
C87	YOSHIDA et al., "The JAK2 V617F Mutation Is Uncommon in Patients with Juvenile Myelomonocytic Leukemia," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):316b, Abstract 4942.		
C88	ZALESKAS et al., "Molecular Pathogenesis of Polycythemia Induced in Mice by JAK2 V617F," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):38a, Abstract 116.		
C89	ZOI et al., "Increased Expression of the PRV-1 Gene in Thalassemia Reflects the Rate of the Underlying Erythropoietic Activity," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):754a-755a, Abstract 2687.		

Examiner Signature

/Sheridan Swope/

Date Considered

09/25/2008

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